IPEK

50M ANCHOR HANDLING TUG & SUPPORT VESSEL (AHTS)

STANDARD SPECIFICATION • SOLACE MARITIME FLEET



AHTS IPEK — 50M / 72 T BP

GENERAL DESCRIPTION

Year of build	2011
Builder	Shin Yang Shipyard MIRI, Malaysia
Registry	Liberia / Monrovia
Class	Bureau Veritas (BV)
Call Sign	9WLC9

PERFORMANCE

Max Speed	12 Knots
Service Speed	10 Knots
Fuel Consumption	12 Tons MDO Per Day

ACCOMMODATION

Accommodation	23 Men (1 Man x 3; 2 Men x 6; 4 Men x 2)
Cabin	2 x 4 Men Cabin, 6 x 2 Men Cabin, 3 x 1 Men Cabin

PRINCIPAL PARTICULARS

Length Overall	49.95 M
Breadth Molded	12.60 MM
Depth Moulded	5.75 M
Design Draft	4.80 M
Deadweight	842 Ton
Registered Tonnage	GRT 954 T • NRT 286 T

CAPACITIES

Fuel Oil	500 M^3
Fresh Water	242 M^3
Lube Oil	14 M^3
Dirty Oil	5 M^3
Freezer / Chiller	10 M^3
Clear Deck Area	22M X 10M
Deck Strength	5 T/M^2 (ST)

WINDLASS & MOORING

Towing Winch	150 T
Upper & Lower Mooring Drum	56 MM x 1000 M
Bollard Pull	72 T
Tugger Winch	2 x 10T
Windlass	1 x 5T AT 6.2 Ton x 10 M/MIN
Anchor	2 x Stockless Bower Anchor
Chain	38mm Dia x 27.5 m x 10 length each side
Rope Reel	10T at 20 M/MIN
Capstan	20 x 5T at 15 M/MIN
Towing Pin	200 Tonnes
External Fire Fighting	Volvo Engine Driven FIFI-1

MACHINERY

Main Engines	2 x CAT 3516B (2x2575 BHP)
Horse Power	2575 BHP @ 1600 RPM
Gear Box	2 Units Ratio 5.76
Auxiliary Engines	2 x Cummins QSM11-D(M) 265 KW @ 1500 RPM
Alternators	2 x 250 KW / 415V / 50HZ
Emergency Genset	1 x Cummins 6CTA8-3-D(M) 1 x 150 KW
Propellers	Manganese Bronze / 4 Blade fixed pitch in KORT Nozzle
Bow Thruster	RIQ 640BTM Engine 500HP (Cummins) 5T Thrust
Sewage Treatment Plant	Capacity 35 Men (Made in Korea) ISS-35, 2.1 m^3/day
Steering System	Electro-Hydraulic C/W Joystick Forward & AFT Consoles
Oil Water Separator	15PPM Bilge Separator (Korea Made)
Fuel Transfer Pump	1 x 10 M^3/HR (@ 20M Head)
Bilge & Ballast Pump	70 M^3/HR @ 20M Head
Cargo Oil Pump	70 M^3/HR @ 50M Head
Dirty Oil Pump	5 M^3/HR @ 30M Head

NAVIGATION & COMMUNICATION

Echo Sounder	JMC F200
VHF Radio Telephone	2 x Furuno FM-8800S, 1 x VHF Icom IC-M330, 1 x VHF Furuno
EPIRB	GME MT 403 FF
SART	1 x NSR NRT-1000 SART, 1 x JOTRON-TRON SART 20
GPS Navigator	1 x Furuno GP-150, 1 x Furuno RD-30, 1 x NSR-NGR 3000
AIS	Furuno FA-150
Gyro Compass	Tokyo Keiki TG-8000
Autopilot	SIMRAD AP50
GMDSS Hand Held Radio	3 x ICOM IC-GM 1600
Radars	2 x Furuno FAR-2117
NAVTEX Receiver	Furuno NX-700B
SSB Radio	2 x Furuno FS-2570
Communication	FBB Sailor 150
Magnetic Compass	Daiko SR-150
Doppler Speed Log	BEN / GA-120
Wind Indicator	NorthStar Explorer W310
Barometer	Hanseatic
BNWAS	SRC-NBA 100
ECDIS	1 x Transas NS4000, 1 x Synapsis

General Arrangement





